

FORM PTO-1449

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APPLICANT

SERIAL NO.

Kawakami And Rosenberg

INFORMATION DISCLOSURE CITATION

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	•	ОТНЕ	R DO	CUMI	ENTS	(Inclu	ding A	uthor, Title, Dat	te, Pertinent Papers, E	(c.)			
277 W/S		Coulie, P.G. et al. (1993) "Genes coding for tumor antigens recognized by human cytolytic T-lymphocytes" J. Immunotherap. 14:104-109											
		Coulie P.G. et al. "A'new gene coding for a differentiation antigen recognized by autologous cytolytic T lymphocytes on HLA-A2 melanomas", J. Exp Med (1994) 180:35-42											
		Maresh, C.A. et al.: Cloning and expression of the gene for the melanoma associated ME20 antigen. DNA and Cell Biology, 1994; 13:87-95											
		Sci	ence 1	994; 2	64:716	5-719.			nized by five melanom			· . · . · .	
		HL	A-A2	melan	omas".	J. E	хр. Ма	d. 1993; 178:48					
Å(J)		Gar	ugler,	B., et	al. "H <i>J. Exp</i>	uman . . Med	gene N . 1994	1AGE-3 codes for; 179:921-930.	or an antigen recognize	ed on a melar	oma by autolog	gous cytoly	πic T

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GOST MET	Traversari, C., et al.: "A nonapeptide encoded by human gene MAGE-1 is recognized on HLA-A1 by cyteration lymphocytes directed against tumor antigen MZ2-E". J Exp. Med. 1992; 176:1453-1457.
 	Cellis, E., et al.: "Induction of anti-tumor cytotoxic T lymphocytes in normal humans using primary cultures and synthetic peptides epitopes". Proc. Natl. Acad. Sci. U.S.A. 1994; 91:2105-2109.
	Boon, T.: "Toward a genetic analysis of tumor rejection antigens". Adv. Cancer Res. 1992; 58:177-210.
	Kawakami, Y., et al.; T-cell recognition of human melanoma antigens. J. Immunother. 1993; 14:88-93.
	Bakker, A.B.H., et al.: Melanocyte lineage-specific antigen gp100 is recognized by melanocyte-derived tumor infiltrating lymphocytes. <i>J. Exp. Med.</i> 1994; 179:1005-1009.
	Wölfel, T., et al.: Two tyrosinase nonapeptides recognized on HLA-A2 melanomas by autologous cytolytic T. lymphocytes. Eur. J. Immunol. 1994; 24:759-764.
	Adema, G.J., et al.: Melanocyte lineage-specific antigens recognized by monoclonal antibodies NK1-beteb, HMB-50, and HMB-45 are encoded by a single cDNA. Am J. Pathol. 1993; 143:1579-1585.
	Kwon, B.S., et al.: A melanocyte-specific gene, Pmel 17, maps near the silver coat color locus on mouse chromosome 10 and is in a syntenic region on human chromosome 12. <i>Proc. Natl. Acad. Sci. USA</i> 1991; 88:9228-9232.
	Rosenberg, S.A., et al.: Use of tumor infiltrating lymphocytes and interleukin-2 in the immunotherapy of patients with metastatic melanoma. Preliminary report. N. Engl. J. Med. 1988; 319:1676-1680.
	Kawakami, Y., et al.,: Shared human melanoma antigens. Recognition by tumor infiltrating lymphocytes in HLA-A2.1 transfected melanomas. <i>J Immunol</i> 1992; 148:638-643.
	Van der Bruggen, et al.: A gene encoding an antigen recognized by cytolytic T. lymphocytes on a human melanoma. Science 1991; 254:1643-1647.
	Falk, K., et al.: "Allele-specific motifs revealed by sequencing of self-peptides eluted from MHC molecules." Nature 1991, 351:290-296.
	Kubo, R., et al.: "Definition of specific peptide motifs for four major HLA-A Alleles." Journal of Immunology 1994, 152:3913-3924.
	Parker, K., et al.: "Sequence motifs important for peptide binding to the human MHC class 1 molecule. HLA-A2." 1992, J. Immunol:3580-3587.
	Ruppert, J., et al.: "Prominent role of secondary anchor residues in peptide binding to HLA-A2.1 molecules." Cell 1993, 74:929-937.
	Storkus, W., et al.: "Identification of human melanoma peptides recognized by class 1 restricted tumor infiltrating T lymphocytes." Journal of Immunology 1993, 151:3719-3727.
	Kawakami, Y., et al.: "Cloning of the gene coding for a shared human melanoma antigen recognized by autologous T cells infiltrating into tumor." <i>Pro. Natl. Acad. Sci. USA</i> 1994, 91:3515-3519.
	Adema, G.J. et al., "Molecular characterization of the melanocyte lineage-specific antigen gp100." Journal of Biological Chemistry 1994, 269:20126-20133.
	EMBL DATABASE ACCESSION NUMBER M32295:26-11-90 Vogel A.: Human KD melanocyte specific secreted glycoprotein MRNA 3'end'
	Kawakami, Y., et al., "Identification of a human melanoma antigen recognized by tumor-infiltrating lymphocytes—associated with in vivo tumor rejection" PNAS 91:6458-6462 1994
	Kawakami, Y., et al., "Identification of the Immunodominant Peptides of the MART-1 Human Melanoma Antigen Recognized by the Majority of HLA-A2-restricted Tumor Infiltrating Lymphocytes" J. Exp. Med. 180:347-352, 1994
	Rivoltini, L., et al., "Induction of Tumor-Reactive CTL from Peripheral Blood and Tumor-Infiltrating Lymphocytes of Melanoma Patients by In Vitro Stimulation with an Immunodominant Peptide of the Human Melanoma Antigen MART-1" Journal of Immunology, 1995, 154:2257-2265
VU	Slingluff, C.L.,Jr., et al., "Direct analysis of tumor-associated peptide antigens" Current Opinion in Immunology 1994, 6:733-740

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10/16/98

EE065891187US



Serial No.: 08/417,714 ATTY. DOCKET NO Cole, D.J., et al., "Characterization of the Functional Specificity of a Cloned T-Cell Receptor Heterodimer 🎗 the MART-1 Melanoma Antigen" Cancer Res. 55:748-752 Feb. 1995 Cole, D.J., et al., "Identification of MART-1-specific T-Cell Receptors: T Cells Utilizing Distinct T-Cell Receptor Variable and Joining Regions Recognize the Same Tumor Epitope" Cancer Res. 54:5265-5268, 1994 Castelli, C., et al., "Mass Spectrometric Identification of a Naturally Processed Melanoma Peptide Recognized by CD8+ Cytotoxic T Lymphocytes" J. Exp. Med. 181:363-368 1995 Sette, A., et al., "Peptide Binding To The Most Frequent HLA-A Class I Alleles Measured By Quantitative Molecular Binding Assays" Molecular Immunology 31:813-822, 1994 Wölfel, T., et al., "Analysis Of Antigens Recognized On Human Melanoma Cells By A2-Restricted Cytolytic T Lymphocytes (CTL)* Ins. J. Cancer 55:237-244, 1993. Wölfel, T., et al., "Isolation Of Naturally Processed Peptides Recognized By Cytolytic Lymphocytes (CTL) On Human Melanoma Cells In Association With HLA-A2.1" Int. J. Cancer 57:413-418, 1994. Topalian, S.L., et al., "Human CD4" T Cells Specifically Recognize a Shared Melanoma-Associated Antigen Encoded by the Tyrosinase Gene" PNAS 91:9461-9465, 1994. Boël, P., et al., "BAGE: a New Gene Encoding an Antigen Recognized on Human Melanomas by Cytolytic T Lymphocytes" Immunity 2:167-175 1995 Slingluff, C.L., Jr., et al., "Recognition of Human Melanoma Cells by HLA-A2.1-Restricted Cytotoxic T Lymphocytes Is Mediated by at Least Six Shared Peptide Epitopes" Journal of Immunology 150:2955-2963 1993 GENBANK DATABASE ACCESSION NUMBER M77348 - Human PMEL 17 in RNA - January 8, 1995 GENBANK DATABASE ACCESSION NUMBER U06654 - Human Differentiation Antigen Melan-A Protein in RNA - July 30, 1994 GENBANK DATABASE ACCESSION NUMBER U06452 - Human Melanoma Antigen Recognized by T-Cells (MAR7-1) MRNA - June 25, 1994 GENBANK DATABASE ACCESSION NUMBER \$73003 - GP100 Melanocyte Lineage Specific Antigen / PMELL 7 January 25, 1995

EXAMINER

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